

## Fitting SOLAMAX<sup>®</sup>

- 1 Frame Selection:** For best vision and appearance, encourage the patient to choose a frame in which the eyes are well centered with a minimum "B" of 25 mm. Nose pads are preferred to allow fine-tuning. Frames should be lightweight to reduce slipping.
- 2 Frame Adjustment:** The frame must be adjusted correctly prior to taking any measurements. Ensure the following:
  - 8° to 12° pantoscopic tilt.
  - Proper face form wrap.
  - Close frame fit (i.e., short vertex distance), without touching skin or eyelashes.

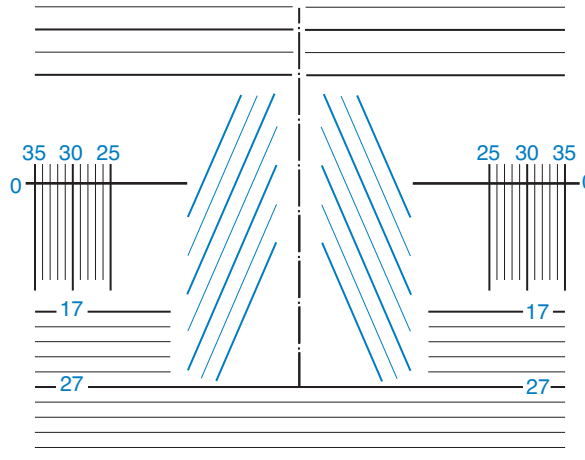
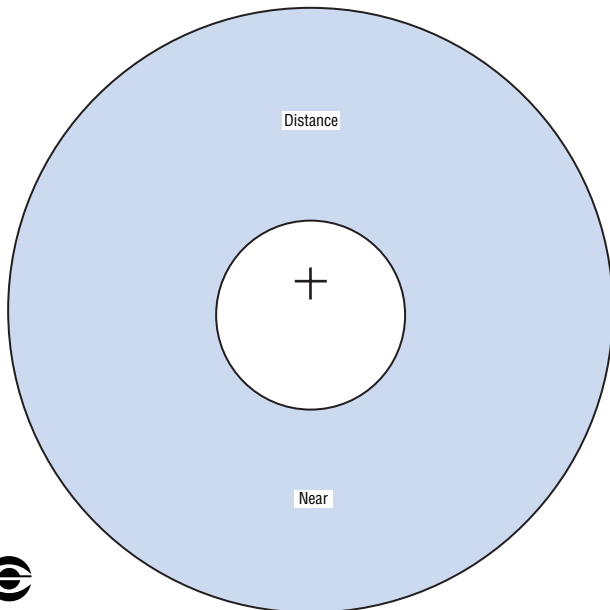


- 3 Fitting Height:** With the customer looking straight ahead into the distance, dot each lens at the center of the pupil. Measure fitting heights with a PD ruler. **Recommended minimum fitting height is 17 mm.**
- 4 Pupillary Distance:** Use a pupillometer to measure monocular distance PDs.
- 5 Frame Fitting Guide:** Use Frame Guide to ensure lens fit. Place frame with dotted pupil on cross. Frame size is adequate if white circle fits inside frame.
- 6 Verify Cut Out:** Place the right lens over the Lens Cut Out circle, aligning the pupil center dot over the fitting cross; repeat with left lens. **If frame falls outside of the lens diameter available (see Diameters & Base Curves on other side), lenses may not cut out.**

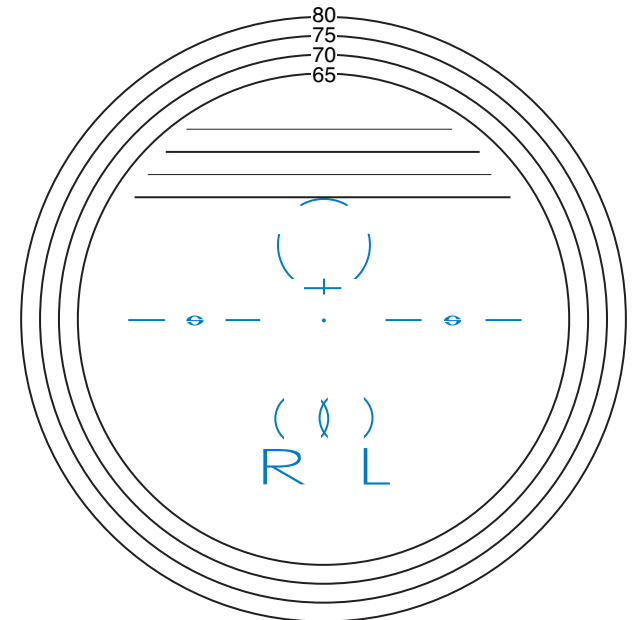
## Helpful Hints for Fitting Progressives

- 1 Avoid aviator shape frames. They reduce the reading area and often will not cut out.
- 2 The frame should follow the contour of the face to provide the maximum amount of side vision.
- 3 Fit the frame as close to the eyes as possible without touching the lashes.
- 4 Pantoscopic angle should be 8°-12° to give customer maximum reading area.
- 5 While fitting, the customer's back should be straight; his/her eyes should be on the same level as yours.
- 6 The fitting cross should intersect the **center** of the pupil.

## Frame Fitting Guide



## Lens Cut Out \*

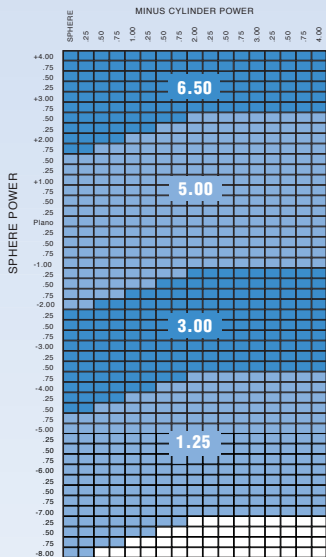


**\*PLEASE NOTE:** The fitting cross for SOLAMAX<sup>®</sup> progressives is 4mm above the prism reference point.

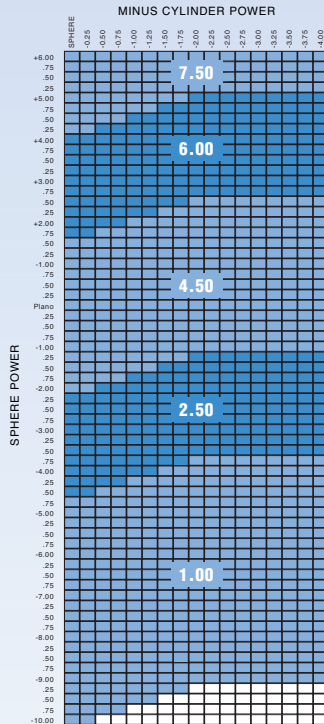
## Base Curve Selection Chart

**Do not mix base curves.** When the chart indicates a different base curve for right and left lenses, choose the flatter of the two curves for each lens.

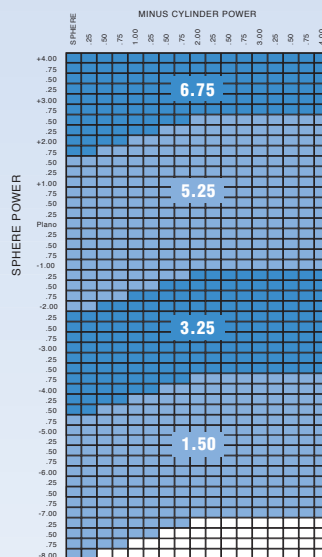
Spectralite® & Spectralite Velocity® Transitions®



Polycarbonate & Polycarbonate Transitions®



Hard Resin & Hard Resin Transitions®



### Base Curve Selection:

When Rx for Right and Left eye fall on different base curves, select the **flatter** of the two curves.

### Example 1:

R +2.00 -0.50 x 180  
L +1.00 -0.50 x 180  
Add +2.75

In Spectralite, select 5.00 base.  
In polycarbonate, select 4.50 base.  
In hard resin, select 5.25 base.

### Example 2:

R -2.00 -0.50 x 90  
L -1.00  
Add +1.00

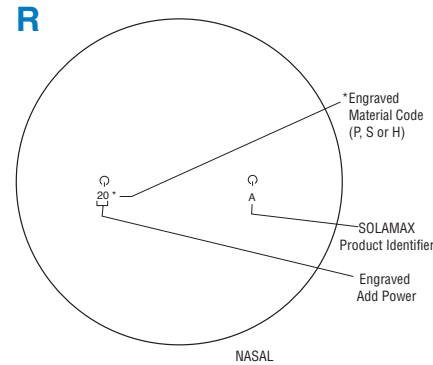
In Spectralite, select 3.00 base.  
In polycarbonate, select 2.50 base.  
In hard resin, select 3.25 base.

## Diameters & Base Curves

	Diameter	Base Curves
Hard Resin	80 mm	1.50, 3.25, 5.25, 6.75
Hard Resin Transitions® Gray	78 mm	1.50, 3.25, 5.25, 6.75
Polycarbonate	75 mm	1.00, 2.50, 4.50, 6.00, 7.50
Polycarbonate Transitions® Gray	72 mm	1.00, 2.50, 4.50, 6.00, 7.50
Spectralite®	80 mm	1.25, 3.00, 5.00, 6.50
Spectralite Velocity® Transitions® Gray	80 mm	1.25, 3.00, 5.00, 6.50

## Lens Engravings

(As viewed from the front)



### Material Code

P = Polycarbonate & Transitions®  
S = Spectralite® & Spectralite Velocity® Transitions®  
H = Hard Resin & Transitions®

## Dispensing SOLAMAX®

### 1 Verify Lenses:

- Completed lenses should have verification markings.
- If there are no markings, see how to locate the lens engravings above.
- The fitting cross should be at pupil center when eyeglasses are on wearer.
- If necessary, use acetone to remove factory markings.

### 2 Re-Check the Frame Adjustments:

- Pantoscopic tilt
- Face form wrap
- Minimum vertex distance

### 3 Show Customers How to Use Lenses:

- The visual field limitation.
- The transition between distance, intermediate and near zones.
- Proper head movement: side-to-side to view in periphery.

## To Locate the Lens Engravings

Use a good light source and dark background to locate the  $\odot$  engravings. The engraved add power/material code is below the temporal logo.

The  $\odot$  engravings are located on the front surface of the lens, 34 mm apart or 17 mm to either side of the prism reference point (at the geometric center). Use a felt-tip pen to dot the center of the engraving.

Place the front surface of the lens over the centration chart, lining up the dots with the corresponding engraving. Draw in the remaining markings with a felt-tip pen. A reusable verification mask (part #000-0139-11450), available from SOLA, can also be used.

**\*PLEASE NOTE: The fitting cross for SOLAMAX progressives is 4 mm above the prism reference point.**

Questions? Call the  
**SOLA Technical Services**  
Hotline at  
**1-800-358-8258 press 3**



**SOLA**  
www.sola.com